APRIL/MAY 2025

FECA54A/FECS54A/FSC53/CECA54A/ CECS54A/CSC53 — DATA MINING

Time : Three hours | Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is Data Mining?
2. Define preprocessing.
3. What is OLAP?
4. What is data generalization?
5. Define approximate pattern.
6. What is meant by classification?
7. What is meant by outlier?
8. State the importance of clustering.
9. What is Orange?
10. Comment on SQL server data tool.

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SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Discuss the method of measuring data similarity and dissimilarity.

Or

(b) Write short notes on data objects and attribute types.

12. (a) Illustrate the importance of data warehouse modeling.

Or

(b) Comment on data cube computation methods.

13. (a) Give an account on constraint based frequent pattern mining.

Or

(b) Expound Bayes classification method.

14. (a) Elaborate clustering with grid based methods.

Or

(b) Give a brief note on outlier approaches.

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15. (a) Enumerate the data mining applications.

Or

(b) Discuss the various data mining tools.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the technologies used for data mining.

17. What are the methods of exploring cube technology? Explain.

18. Expound mining high dimensional data and Colossal pattern.

19. Enumerate the concept of clustering with constraints.

20. Describe the recent data mining tools.

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